

**POROUS CARBON BODY FOR A FUEL CELL HAVING AN
ELECTRONICALLY CONDUCTIVE HYDROPHILIC AGENT**

Abstract of the Disclosure

5 The invention is a porous carbon body for a fuel cell
having an electronically conductive hydrophilic agent and
method of manufacture of the body. The porous carbon body
comprises an electronically conductive graphite powder in
an amount of between 60% - 80% by weight of the body; a
carbon fiber in an amount of between 5% - 15% by weight of
10 the body; a thermoset binder in an amount of between 6% -
18% by weight of the body; and, a modified carbon black
electronically conductive hydrophilic agent in an amount of
between 2% - 20% by weight of the body. The body provides
for increased wettability without any decrease in
15 electrical conductivity, and also provides for an efficient
manufacture without any need for high temperature, costly
steps to graphitize the body, or to incorporate post
molding hydrophilic agents into pores of the body.

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